

L Number	Hits	Search Text	DB	Time stamp
1	2128	hash! ADJ2 table\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:32
2	80	(plurality! OR multiple!) ADJ4 (hash! ADJ2 table\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:46
3	1	((plurality! OR multiple!) ADJ4 (hash! ADJ2 table\$2)) SAME cach\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:47
4	358	(hash! ADJ2 table\$2) SAME cach\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:47
5	107	(hash! ADJ2 table\$2) SAME cach\$5 SAME index\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:47
6	4	((plurality! OR multiple!) ADJ4 (hash! ADJ2 table\$2)) AND ((hash! ADJ2 table\$2) SAME cach\$5 SAME index\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:48
7	0	(text! OR fulltext! OR full-text!) NEAR3 index\$8	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:49
8	1367	(text! OR fulltext! OR full-text!) NEAR3 index\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:50
9	3730	key\$2 NEAR2 length\$2 ✓	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 12:51
10	9	(hash! ADJ2 table\$2) SAME (key\$2 NEAR2 ✓ length\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:09
11	3	5774588.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:09
12	0	5774588.pn. AND cach\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:09
13	1	5774588.pn. AND memory!	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:18
14	802	n-gram\$2 OR ngram42 OR bigram\$2 OR trigram\$2 OR bigram\$2 OR tri-gram\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:19

DOCUMENT-IDENTIFIER: US 6169969 B1  
TITLE: Device and method for full-text large-dictionary string matching  
using  
n-gram hashing

----- KWIC -----

DWKU:  
6169969

BSPR:

In order to attain the objectives described above, according to an aspect of my invention, there is provided a device and method for full-text large-dictionary string matching using n-gram hashing. My invention exploits the observation that keywords can be represented by their constituent n-grams in a practical way. In gross terms, the approach is to factor each keyword into n-grams and to look for those n-grams in the input stream; a coincidence of a keyword's n-grams suggests that the keyword is present and produces a primary alarm. Keyword n-grams are cataloged in binary hash tables; the input sample is examined by hashing each n-gram in turn and checking for matches in the hash tables. The independent hashed comparisons result in a small probability of false alarm. Primary alarms are then screened by a secondary tester to remove remaining false alarms.

15	11	(hash! ADJ2 table\$2) SAME (n-gram\$2 OR ngram42 OR bigram\$2 OR trigram\$2 OR bigram\$2 OR tri-gram\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:24
16	194	704/10.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:24
17	6	(hash! ADJ2 table\$2) AND 704/10.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:27
18	42	((page! OR pages!) NEAR5 dictionary!) SAME (hash\$5 OR compress\$5 OR token\$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:35
19	2	6169969.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:35
20	0	6169969.pn. AND (hash\$5 SAME (n-gram\$2 OR key\$2 ) SAME search\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:36
21	2	6169969.pn. AND (hash\$5 SAME (n-gram\$2 OR key\$2 ))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:37
22	1	6169969.pn. AND (hash\$5 SAME n-gram\$2 SAME keyword\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:38
23	1	6169969.pn. AND (hash\$5 SAME n-gram\$2 SAME keyword\$2 SAME match\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:39
24	0	(n-gram\$2 SAME calalog\$5 SAME hash\$5) AND 6169969.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:40
25	1	(n-gram\$2 SAME catalog\$5 SAME hash\$5) AND 6169969.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:43
26	80	dictionary! SAME (hash! ADJ2 table\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:44
27	4	((plurality! OR multiple!) ADJ4 (hash! ADJ2 table\$2)) AND (dictionary! SAME (hash! ADJ2 table\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:45
28	0	((plurality! OR multiple!) ADJ4 (hash! ADJ2 table\$2)) AND (dictionary! SAME (hash! ADJ2 table\$2))) AND cach\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/04/22 13:45

29	84	dictionary! AND (hash! ADJ2 table\$2) AND cach\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/04/22 13:46
30	3	dictionary! AND ((plurality! OR multiple!) ADJ4 (hash! ADJ2 table\$2)) AND cach\$5	USPÄT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/04/22 13:46